

19980926.qrp v01_n226.qrs.980926

Date: Sat, 26 Sep 1998 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1226

QRP-L Digest 1226

Topics covered in this issue include:

- 1) [20982] Transistor info
by kd4pvm@juno.com (Paul W Bridgeman)
- 2) [20983] RE: Noise blanker
by Denton Bramwell W7DB <Denton@Bramwell.Org>
- 3) [20984] Ten-Tek 208 Filter Wanted
by w4bld@juno.com
- 4) [20985] Re: Transistor info
by KC5TJA <kc5tja@axisinternet.com>
- 5) [20986] Re: Radiokit revisited
by "James Fielden" <fielden@utkux.utcc.utk.edu>
- 6) [20987] Re: Opto-regen really fly?
by nick caruso <nzc@technologist.com>
- 7) [20988] Re: Transistor info
by "John Moriarity" <k6qq@hdo.net>
- 8) [20989] RE: Transistor info
by kd4pvm@juno.com (Paul W Bridgeman)
- 9) [20990] Re: FOX: N/T+ Foxii Wanted!!!
by "Preston Buck" <pbuck@infoblvd.net>
- 10) [20991] Re: Transistor info
by we6w@juno.com (Ed Loranger)
- 11) [20992] Notch Filters
by Tracy@bytemark.com (Tracy)
- 12) [20993] QRP+ and MFJ-285W speaker mike (continued)
by "Jim Knopf" <knopf@halcyon.com>
- 13) [20994] Re: Notch Filters
by we6w@juno.com (Ed Loranger)
- 14) [20995] CY9AA QSL's
by Monte Stark <ku7y@dri.edu>
- 15) [20996] Jan 1977 CQ Mag article
by ka7you@juno.com
- 16) [20997] 'goodie' store in reno area
by Ron Keener <rkeener@realtime.net>
- 17) [20998] test - do not open
by "Jeff Hahn" <kr4ys@hotmail.com>
- 18) [20999] Midwest Division QRP CW Sweepstakes Plaque Sponsored
by "Brian J Keegan" <brimail@home.com>
- 19) [21000] 6 meter conversions - cordless 'phones

- by John Fletcher <johnf@innotts.co.uk>
- 20) [21001] INSPIRATIONAL SITE: K3WWP
by ARDUJENSKI@aol.com
- 21) [21002] Kits For Sale
by Guy Dragoo <GDRAG@proedge.com>
- 22) [21003] Upgrade!
by Shepherd@aol.com
- 23) [21004] Crank power radio-
by n5inz@juno.com (John M Andrews)
- 24) [21005] 6 meter HB problems
by Roger Braker <msebrakr@telepath.com>
- 25) [21006] VA3YH - where are you???
by Pete Hoover <w6zh@ix.netcom.com>
- 26) [21007] Re: 6 meter HB problems
by KC5TJA <kc5tja@axisinternet.com>
- 27) [21008] Amidon Handbook
by Larry East <w1hue@amsat.org>
- 28) [21009] UPdated HHHAAAAALLLLLPPPP
by hamjoel@juno.com (Joel M Denison)
- 29) [21010] WTB: Deluxe Blue Racer
by K2UD@aol.com
- 30) [21011] FMLA: Boy "Over There"
by mnhopkins@juno.com (Michael N Hopkins)
- 31) [21012] Super CMOS Keyer II
by "Paul Christensen" <paulc@mediaone.net>
- 32) [21013] Need Volunteer To Draw Schematics
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 33) [21014] LDG Tuner Help - Thank You!
by k7sz@epix.net

Date: Fri, 25 Sep 1998 19:32:23 -0400
From: kd4pvm@juno.com (Paul W Bridgeman)
To: qrp-l@lehigh.edu
Subject: [20982] Transistor info
Message-ID: <19980925.193224.4726.0.KD4PVM@juno.com>

Hi all,

I have started building a small preamp circuit which calls for a BFY91 NPN transistor. I have looked through all of my Xref guides and the closest I've found is a BFR91. Does anyone have info on the BFY91, or maybe a suitable substitute?

Also, about these European component markings?! :-(
I have deciphered that 10n is equal to .01uF, but this circuit also calls for a 100p. I can't find

a definite conversion for this one. HEEELLLPPP!!!
Any help greatly appreciated and Thanks!

Paul

---. ---. ---. ---. ---. ---. ---. ---.
Paul Bridgeman KD4PVM
Fayetteville, NC
QRP-L # 1641 ZOMBIE # 248
-.. -.- -.. -.- -.- -.- -.- -.-

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Date: Fri, 25 Sep 1998 17:46:09 +0100
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [20983] RE: Noise blanker
Message-ID: <5103124387F8D11199DD00A0C925E4B9168A@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

There are a couple of different approaches to noise blanking. One is to simply clip the noise. The Lamb type blanker drives gain 'way down during the noise pulse. This is generally the better type of blanker.

Some of the problem does, indeed, come from front end problems, though modern rigs are considerably better than run of the mill 20 years ago. A better two tone dynamic range can make a lot of difference, if you have strong, broadband pulse noise. When the (now thankfully departed) Russian Woodpecker was S9+20, my FT-301, with 76 dB of TTDR, would "crunch" during each pulse. My little homebrew DC receiver, with 104 dB of TTDR experience MUCH better copy.

-----Original Message-----
From: Edson Pereira [mailto:ewp@calypso.healthnet.org]
Sent: Friday, September 25, 1998 12:09 PM
To: Low Power Amateur Radio Discussion
Subject: Noise blanker

Hello everyone,

I have a question concerning the noise blanker circuits in some rigs. I have a ts-430s, a ts-450s, a ts-50, and a ts-820s. All these radios have NB circuits but the only effective NB for impulse noise (electrical pole type) is the one in the ts-820s. The ts-450s has two NBs, but both are not very effective. I suspect the problem is related to the bad front-ends in the newer radios.

Does anyone have any idea why the NB in the new radios are so ineffective?

Since I am building a QRP transceiver, I would like to include a NB with it, but would like to understand more about good (and bad) ways in implementing a NB.

Thanks in advance.

72,

Edson, N1VTN

Date: Fri, 25 Sep 1998 19:45:03 -0300
From: w4bld@juno.com
To: qrp-1@Lehigh.EDU
Subject: [20984] Ten-Tek 208 Filter Wanted
Message-ID: <19980925.200726.3230.6.w4bld@juno.com>

The subject says it all. If anyone can help, I will be most appreciative. I am also looking for the antenna tuner for the 509 as well. Thanks, Bob

Robert B. Kerby - W4BLD
PO Box 991 (231 Rosser Avenue)
Waynesboro, VA 22980
(540) 942-4356
(I collect Gonset, Morow and Elmac)

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Date: Fri, 25 Sep 1998 17:07:45 -0700 (PDT)
From: KC5TJA <kc5tja@axisinternet.com>
To: Paul W Bridgeman <kd4pvm@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20985] Re: Transistor info
Message-ID: <Pine.LNX.3.96.980925170557.12929A-100000@axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 25 Sep 1998, Paul W Bridgeman wrote:

> I have deciphered that 10n is equal to .01uF, but
> this circuit also calls for a 100p. I cant find

10n == 10 nF == 0.01uF.
100p == 100 pF

Remember the metric prefixes?

d is deci...
c is centi...
m is milli...
u (or mu) is micro...
n is nano...
p is pico...
a is atto...
f is fempto...

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Fri, 25 Sep 1998 20:25:09 -0400
From: "James Fielden" <fielden@utkux.utcc.utk.edu>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [20986] Re: Radiokit revisited
Message-ID: <01bde8e4\$1e4b97e0\$e016a980@galaxian>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have the January 1989 Issue of Ham Radio with An NE602-based QRP Transceiver for 20-Meter CW by: Rick Littlefield, K1BQT if anyone really needs it I will copy it. It will be about a week before I'm able to copy it, but it's here for anyone that wants a copy. Maybe I can find someone local with a scanner and just scan it all...
I think it would be fun to build such a migraine of a rig.....

72 * Jim, KU4QW - QRP-L # 1481
fielden@utkux.utcc.utk.edu - FISTS # 5380
<http://www.qsl.net/ku4qw/> - No-SSB International (tm) # 1,000,014

Date: Fri, 25 Sep 1998 20:31:57 -0400
From: nick caruso <nzc@technologist.com>
To: mnhopkins@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20987] Re: Opto-regen really fly?
Message-ID: <360C35FD.9C23AA7B@technologist.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I built one. Works fine. Very smooth onset of regeneration. Greatt people at JADE, btw, very helpful. ObDisclaimer: I have no connection to JADE products other than being a satisfied customer. Here's the URL:

<http://www.jadeprod.com/ocr.html>

I haven't placed it in an enclosure yet, because of one distraction or another.

--nick caruso KB1DEJ

Date: Fri, 25 Sep 1998 17:50:16 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <kd4pvm@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [20988] Re: Transistor info
Message-ID: <000c01bde8e7\$a1177380\$fc564dd1@k6qq>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Paul W Bridgeman <kd4pvm@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Date: Friday, September 25, 1998 5:56 PM
Subject: Transistor info

>I have deciphered that 10n is equal to .01uf, but
>this circuit also calls for a 100p.

That's 100 picofarads :-)

72,

John, K6QQ

Date: Fri, 25 Sep 1998 21:04:24 -0400
From: kd4pvm@juno.com (Paul W Bridgeman)
To: qrp-l@Lehigh.EDU
Subject: [20989] RE: Transistor info
Message-ID: <19980925.210425.4726.3.KD4PVM@juno.com>

Hi again-

I started to respond individually to everyone
that replied to my question regarding the dreaded
"100p", but I had so many that I decided to thank
everyone at once. I had originally thought it would be
100 pf, but I then figured that would be too simple! :-)
Please stand by while I wipe the egg from my face!!
Thanks again,
Paul

... ..
Paul Bridgeman KD4PVM

Fayetteville, NC

QRP-L # 1641 ZOMBIE # 248

-... . -.- -... ..- .-- .-.- ---.-

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Date: Fri, 25 Sep 1998 21:09:51 -0400
From: "Preston Buck" <pbuck@infoblvd.net>
To: <qrp-l@Lehigh.EDU>
Subject: [20990] Re: FOX: N/T+ Foxii Wanted!!!
Message-ID: <002401bde8eb\$85e6dca0\$a9805495@dragon-ship>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

IF YOU ARE A NOVICE OR TECH READ THIS,

Sorry for shouting but now that I have your attention.

If you want to upgrade, being the fox is a great way to improve your code skills. I am a perfect example of this as I was a Tech+ for 13 years. I passed the general and advanced written several times but not the code. Signed on as a fox last year and had 12 runs as the fox, roughly one per week though some nights propagation was against me. Took my 13 wpm exam and aced it. I had to sit through the 5wpm exam and boy did it seem slow. Not to mention 25 states 2xQRP.

Being the fox is great because everybody is looking for you! And they will be as nice and patient as possible because they really want the contact. Being the fox helped me overcome my fear of the code and of CW contacts. It can work for you.

DON'T HESITATE

ACT NOW.

If you have questions or concerns, just email me. I was in your shoes last year and let me tell you, the expanded priveledges are great.

Preston, n0g1m, Southern NY State

Date: Fri, 25 Sep 1998 22:03:10 EDT
From: we6w@juno.com (Ed Loranger)
To: kd4pvm@juno.com
Cc: qrp-1@lehigh.edu
Subject: [20991] Re: Transistor info
Message-ID: <19980925.185328.7951.1.we6w@juno.com>

Tis Your lucky day. I had my old transistor reference sitting right here in front of me on top of the monitor :) (Where else shud it be :) hee, hee.

OK Here it is:
USE: 6 (Matched Pair)
Structure: N-PL (N type; Planar construction)
Material: Silicon
Package: R131c ==> Dual NPN Device.
ft=60 MHz
BVCEO=-45 V
hFE=60-240 at 10 uA;(DC Beta Matched 10%)
VBE=5mv, Matched.

>From Me: Definately NOT a BFR91. That's a microwave low noise transistor with impedance matching built into it. (I've designed a UHF amp around it once.)

Looks like you need to find a matched pair or individual NPN transistors with similar characteristics to the matched pair in the BFY-91

REFERENCE USED: JULY 1981 TRANSISTOR D.A.T.A.BOOK, Vol 26 Book 18.
D.A.T.A. Inc
P.O. Box 26875, San Diego, CA 92126

Remember, this is a 1981 book I've held on to. Ok, so I've been at HP for awhile....
-Ed
72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

On Fri, 25 Sep 1998 19:32:23 -0400 kd4pvm@juno.com (Paul W Bridgeman) writes:

>Hi all,
> I have started building a small preamp
>circuit which calls for a BFY91 NPN transistor.
>I have looked through all of my Xref guides and
>the closest I've found is a BFR91. Does anyone
>have info on the BFY91, or maybe a suitable
>substitute?
>Also, about these European component markings?! :-(
>I have deciphered that 10n is equal to .01uf, but
>this circuit also calls for a 100p. I cant find
>a definite conversion for this one. HEEELLLPPP!!!
>Any help greatly appreciated and Thanks!
>
> Paul
>-.-. -. -. -. -. -. -. -. -. -. .
>Paul Bridgeman KD4PVM
>Fayetteville, NC
>QRP-L # 1641 ZOMBIE # 248
> -. . -. . . . -.
>-----
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Date: Fri, 25 Sep 1998 22:40:09 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [20992] Notch Filters
Message-ID: <000301bde8f6\$f9ff5120\$b4241ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Kids!

Curious if any of you have a good circuit for notch filters. Any kind is OK,
R/C, R/C with Op Amps, etc. If I had any druthers it would use 10k pots for
the adjustments. (Go lots of those ...)

Also, anyone have filters for the SoundBlaster awe32?

Thanks guys!
Tracy N4LGH
QRP-L #1453

Date: Fri, 25 Sep 1998 20:12:28 -0700
From: "Jim Knopf" <knopf@halcyon.com>
To: <qrp-l@lehigh.edu>
Subject: [20993] QRP+ and MFJ-285W speaker mike (continued)
Message-ID: <001801bde8fb\$7e2dad80\$292a3fce@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Sure hate to have to dig into the little speaker mike cable, but whenever the speaker mike is plugged in, >the qrp+ stops being tuneable, and the audio output stops. Any ideas anybody? Please?

Got several replies to this. Some said the combination worked perfectly together. Others said the pinouts on the QRP+ had two different versions. I'm still stopped.

To help me further, could I hear from someone who knows how the speaker mike would be modified to match the pinouts on the QRP+ (assuming it had to be modified)? There are 3 wires inside the mike that might be moved: White, which goes to the tip of the plug. Yellow, which goes to the center ring of the plug. and Green, which goes to the top or outer ring of the plug. How would these be changed?

.....
-Jim, KI7Q
mailto:knopf@halcyon.com
Visit the "Father of Shareware" at
 <http://www.halcyon.com/knopf/jim>

Date: Fri, 25 Sep 1998 23:17:42 EDT

From: we6w@juno.com (Ed Loranger)
To: Tracy@bytemark.com
Cc: qrp-l@Lehigh.EDU
Subject: [20994] Re: Notch Filters
Message-ID: <19980925.200922.8207.6.we6w@juno.com>

I deduced you mean AUDIO Notch filters since you mention Op Amps and R/C components. There are many References available for Active filters in the IC OP-AMP Cookbooks and similar.

My favorite Notch filters are Phase cancelling. Of particular note is a rare-to-find circuit. I only saw part of it once, but fully appreciated it's use.

This is an RF Filter. (NOTCH) It is extremely easy to build and very rugged. I designed my own for 100 MHz with a 200 KHz -3dB Bandwidth with a maximum notch of 25 dB. 1/4 wave phasing lines between a second unit preserved the 200 KHz Bandwidth but gave you 50 dB rejection!

Passband response 0/-0.2 dB from DC to 1.3 GHz.
Yet there was only ONE NOTCH Frequency!

I will add plans for this to my Web page if anyone is interested.

Best to all,

--

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

On Fri, 25 Sep 1998 22:40:09 -0400 Tracy@bytemark.com (Tracy) writes:

>Hi Kids!

>

>Curious if any of you have a good circuit for notch filters. Any kind

>is OK,

>R/C, R/C with Op Amps, etc. If I had any druthers it would use 10k

>pots for

>the adjustments. (Go lots of those ...)

>

>Also, anyone have filters for the SoundBlaster awe32?

>

>Thanks guys!

>Tracy N4LGH

>QRP-L #1453

>

>
>

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Date: Fri, 25 Sep 1998 20:32:48 -0700
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [20995] CY9AA QSL's
Message-ID: <360C605F.EBAC7160@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

If you worked CY9AA and haven't received a card yet, please read this post.

If you sent a qsl via the VE buro, please read this post!

Thanks for the BW.

--
73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Friends,
The thousands of QSLs received with a SAE+ postage for the summer 1997 CY9AA operation have all been answered where there was a quickly verifiable entry in the log. I wish to thank my wife and friends Bud-W6PBI and Ron-KU7Y for working so many unselfish hours with me to get these cards out within a matter of a few weeks after receiving them from VE9AA.

Ron KU7Y and I will now begin the tedious job of answering the QSL requests that did not cross-check with the log information, did not

include a SAE, bulk multi-station/callsign - one envelope requests,
etc.

We will finish this job over the next 7-21 days, I am sure.

WARNING REGARDING CY9AA QSLs SENT TO THE VE9 QSL BUREAU

Mike VE9AA told me that he has received very few cards for the CY9AA operation through the VE9 QSL Bureau. This most certainly is an indication of something wrong. He added that there have been "major problems" within this bureau's organization. Therefore, I wish to express my concern regarding this situation to anyone who sent their QSL via this route. I recommend that consideration be given to sending me another card via the USA 7th Call Area QSL Bureau.

I again offer my personal apologizes for the delay you have all experienced getting your CY9AA QSL, although I am pleased to be able to experience the fun of working along side dedicated DXers like Ron and Bud to bring an end to this mess for all of us. Now I will go back to work on my own QSL chores for personal contest operations including: 8P0V, 8P9JJ, YB9BV, VP2EV, VP2EWW, V40Z, V47W, P40Z, etc.

73 Dennis Motschenbacher K7BV
<k7bv@aol.com>

Date: Sat, 26 Sep 1998 01:55:38 EDT
From: ka7you@juno.com
To: QRP-L@Lehigh.EDU
Subject: [20996] Jan 1977 CQ Mag article
Message-ID: <19980925.220947.6487.1.KA7YOU@juno.com>

I would like to get a copy the "Improving CW Selectivity in the Argonaut" article from the January 1977 CQ magazine. This article is mentioned in Adrian Weiss's book, "The Joy of QRP", but predates my collection of CQ magazines.

I would like to install my MFJ CWF-2 CW Filter in the audio chain of my Argo 515, prior to the AGC circuit like the Ten-Tec accessory CW filter, but apparently there is some modification required. I would assume it was related to impedance matching.

Thanks,

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz
(3456MHz still in the wings)

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Date: Sat, 26 Sep 1998 05:49:36 -0500
From: Ron Keener <rkeener@realtime.net>
To: qrp-1@Lehigh.EDU
Subject: [20997] 'goodie' store in reno area
Message-ID: <360CC6C0.5F9C@realtime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am going to have the pleasure of spending 10 days in Reno on business first of october - are there any surplus electronic (read that junk) shops in the Reno area ? don't know that i will have time to leave miniature horse show arena and my product booth but i can always dream

ron
wa0ree

ps: i will be operating mobile and portable with tentec argonaut 2 es screwdriver es old hustler trap vertical - give a listen around 7111 at night for me and 14.180 when i am mobile - i'll be running qrp to 50 watts with tentec argonaut one matching amp

Date: Sat, 26 Sep 1998 04:17:55 PDT
From: "Jeff Hahn" <kr4ys@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [20998] test - do not open
Message-ID: <19980926111755.27513.qmail@hotmail.com>
Content-Type: text/plain

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 26 Sep 1998 07:48:48 -0400

From: "Brian J Keegan" <brimail@home.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [20999] Midwest Division QRP CW Sweepstakes Plaque Sponsored
Message-ID: <19980926115100.AAA17327@cc1016490-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To all ARRL Midwest Division members: The Midwest Division QRP CW plaque for this year's ARRL November Sweepstakes is sponsored. Go get 'em!!!

Brian KF2HC

Date: Sat, 26 Sep 1998 13:33:38 +0100 (BST)
From: John Fletcher <johnf@innotts.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [21000] 6 meter conversions - cordless 'phones
Message-ID: <199809261233.NAA04247@carlton.innotts.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

In the UK the older cordless telephones operate on around 47.5 MHz (handset to base) and 1.7 MHz (base to handset). I picked up about 15 base units and on handset at a hamfest last weekend and would like to convert at least one to receive on 6m.

The base receiver has an LA1185 9-pin s.i.l. front end chip followed by an MC3359 I.F. amplifier/detector with crystal filter on 10.7 MHz and ceramic on 455 KHz. I've been given the URL of a supplier of the 1185 but can't find any info on it. I want to convert it from crystal oscillator to LC with huff-and-puff stabilisation.

The base Tx uses a ceramic resonator and frequency (phase?) modulation by means of two BB119 diodes in parallel, followed by three stages of transistor amplification.

I haven't studied the handset much but it contains a ceramic resonator on 2177 KHz with an MC3361 chip and 455 KHz filter for receive and a 15.85 MHz crystal tripled for transmit.

Has anyone converted one of these 'phones for ham use?

Someone mentioned a 6 meter reflector. Can anyone tell me how to subscribe? I'd like to find out more about this band.

Thanks in advance for any information,

John G4EDX

Date: Sat, 26 Sep 1998 10:38:43 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU, nwq-1@scn.org, johnshan@alltel.net?
subject=Special_Features_Page
Subject: [21001] INSPIRATIONAL SITE: K3WWP
Message-ID: <1020fdb5.360cfc73@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I stumbled across this site looking up old key info. It truly is an inspirational site for ham and QRP enthusiasts and recommend a visit when you get the chance. OVER 1000 DAYS MAKING DAILY QRP CONTACTS...
No big antenna farm, more of a *victory garden*

(John, K3WWP, congratulations for sharing a super site)

<http://www.alltel.net/~johnshan/findex.html>

Alan KB7MBI

Date: Sat, 26 Sep 1998 10:11:58 -0500
From: Guy Dragoo <GDRAG@proedge.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [21002] Kits For Sale
Message-ID: <117783A3E0F4D1119BCD006008AC9E5D744D@mail.proedge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I have the following For Sale:

(2) 38 Special kits (1 built with socketed IC's heat sinks and is semi operational????...can't remember where I left off, and 1 unbuilt minus a few easily replaced transferred parts). I will include the IRF 510 on the built unit.

(2) Rainbow tuners kits complete and as shipped

(2) tick chips

(1) Custom San Luis Milled enclosure for the 38s

Asking 125.00 for the whole sha bang....

73

Guy AC5HL

Date: Sat, 26 Sep 1998 11:12:27 EDT
From: Shephed@aol.com
To: qrp-1@Lehigh.EDU
Subject: [21003] Upgrade!
Message-ID: <5f32160a.360d045b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Well this fall is off to a great start.

The Fox hunt is near, and I got my Advanced ticket today! Woo hoo!

1 more test to go!

72

Dan, N8VZU/AA

QRP1 #1404

Date: Sat, 26 Sep 1998 11:07:51 -0500
From: n5inz@juno.com (John M Andrews)
To: qrp-1@Lehigh.EDU
Subject: [21004] Crank power radio-
Message-ID: <19980926.110752.3358.5.N5INZ@juno.com>

Catalog dated 08/98. BG Micro- Pg.-16 "Solar Radio/Flashlight"

Direct quote- "Just turn the crank and the radio begins to
play again"

Stock #AUD 1009 \$22.50

<http://www.bgmicro.com>

Usual disclaimers.

72, John- N5INZ

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Date: Sat, 26 Sep 1998 11:37:55 -0500
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [21005] 6 meter HB problems
Message-ID: <3.0.5.32.19980926113755.007ac510@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,

I have been working on my 6 meter project but have run into problems. I have doubled 17 mhz and put a 30 mhz high pass filter after that. Then I mixed it with a 5.3 mhz vfo with that to get 39.3 mhz. This the the local oscillator. I thin mix it with a keyed 10.7 mhz xtal oscillator to get 50mhz. After this is a 47 mhz, 5 pole high pass filter. Apparently the only output out of this is about .6 volts according to my RF voltage probe.

I tried measuring it with my frequency counter but apparently the output was too low. (if it had been high enough, I was looking for the meter to say "OL" since it only counts to 20 mhz.) Since this was pretty low, I ran it through a broadband buffer amp. Then I get about 2.5 volts. When I measure that signal I see a signal of about 9.5, 8.x 2.x mhz. (it jumps around a lot) Where do these signals come from and how do they get past the filter.

This is an interesting learning process:-) If any of you all want, I can post a block diagram and schematic of my progress so far to my web page??? Thanks in advance for any help.

73,

Arnold

Date: Sat, 26 Sep 1998 12:13:17 -0500 (CDT)
From: Pete Hoover <w6zh@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [21006] VA3YH - where are you???
Message-ID: <3.0.16.19980926100733.384f56ee@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OM Ying:

I tried to respond to your e-mail but the return message bounced.
Please try again.

Pete, W6ZH

Date: Sat, 26 Sep 1998 11:09:57 -0700 (PDT)
From: KC5TJA <kc5tja@axisinternet.com>
To: Roger Braker <msebrakr@telepath.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [21007] Re: 6 meter HB problems
Message-ID: <Pine.LNX.3.96.980926110646.25440B-1000000@axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 26 Sep 1998, Roger Braker wrote:

> I have been working on my 6 meter project but have run into problems. I
> have doubled 17 mhz and put a 30 mhz high pass filter after that. Then I

Though I'm certainly no expert in the field of RF circuit design, I think
this might be part of your problem.

After doubling the frequency, if anything, you should be using a band-pass
or low-pass filter. The reason is the doubling process creates more than
just the doubled frequency component. Depending on your doubler, it will
also produce 4x, 6x, and 8x frequencies as well -- possibly even more. As
it is now, your doubler (and mixer stages) use high-pass filters, which
will pass the desired frequency components PLUS ALL HARMONICS THEREOF.

I think the best way to address this problem is to make sure you're using band-pass filters wherever possible.

Anyone find any fault with my reasoning, and if so, why?

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Sat, 26 Sep 1998 12:42:37 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@Lehigh.EDU
Subject: [21008] Amidon Handbook
Message-ID: <3.0.3.32.19980926124237.00935c70@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I cleaned out my bookcase and discovered that I have an extra copy of the "Amidon Handbook". This book contains all the tech info on products sold by Amidon -- powered iron and ferrite coil forms, ferrite beads, custom filter chokes, etc. Amidon sells the handbook for \$8 plus shipping. I'll let my "like new" extra copy go for \$5 including shipping (US and Canada only -- higher if shipped overseas).

If I get more than one request, I'll pick a name at random and notify the "lucky winner" early next week.

72, Larry W1HUE/7

Date: Sat, 26 Sep 1998 14:56:06 -0400
From: hamjoel@juno.com (Joel M Denison)
To: qrp-l@Lehigh.EDU
Subject: [21009] UPdated HHHAAAAALLLLLPPPP
Message-ID: <19980926.145613.-494101.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK guys

thanks... here is the latest... using Ham comm I have received some
try and some cw but it is difficult
using the jvfax program I managed to receive "one" slow scan picture....

PROBLEM signals are almost non existant on the qrp+... the s-meter
don't move... I can only assume that the bands are crazy for some reason
or the radio has gone astray...

I'm betting on the bands gone crazy or my ant broke....
can anyone confirm the bands are shot????
joel in maine, wondering why this never happens down south... :-)

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Date: Sat, 26 Sep 1998 15:03:47 EDT
From: K2UD@aol.com
To: qrp-l@Lehigh.EDU
Subject: [21010] WTB: Deluxe Blue Racer
Message-ID: <323981a7.360d3a93@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Somewhat QRP related (CW, of course!).

I'm looking for leads on a Vibroplex Deluxe Blue Racer bug. Would like to
find in like new to mint condition (I can dream). Stopped making them in 66.
Who has links to some good CW sites where these might be listed? I've tried
some already. TNX all.

Howard Kraus, K2UD

Date: Sat, 26 Sep 1998 14:14:55 -0700
From: mnhopkins@juno.com (Michael N Hopkins)
To: boatanchors@theporch.com, qrp-L@Lehigh.EDU
Cc: glowbugs@piobaire.mines.uidaho.edu
Subject: [21011] FMLA: Boy "Over There"
Message-ID: <19980926.141516.-233007.3.MNHopkins@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I won't say Frank has moved in. It is not that formal, but he can get in my yard past the dog and geese at will and I often find him puttering in my basement workshop at all hours. He never asked, but is a better housekeeper than my wife, please, so I tolerate it. I am used to seeing him. But yesterday morning, at about 4 a.m., there were two of them.

I don't mean two Franks. Two delusional if dapper dudes planning to retake 56-60 mc when the FCC moves TV up with a "Five Meter Liberation Army" would overload any circuit. But Frank had a military advisor, and not one of the W.A.R. wierdos I have seen him with. This one was a major in the regular army, signal corps by the insignia I memorized from a childhood fascination with WWII, but the uniform looked more like a Scoutmaster.

They saw me coming down the stairs and Frank made a hasty, somewhat distracted introduction to "The Major," before they went back to a box of stuff which I learned, from the colloquy of it all, they picked up around the neighborhood. "My theory," Frank was saying, "is that any pasteboard box of well chosen refuse should produce a usable communications device."

He then showed The Major a 2N2222 gleaned from a broken cassette recorder, saying it was "like a triode." The Major became somewhat animated. In no time they had some TO-220 horizontal outputs in push-push for a TX and a handfull of the 2N222s arrayed as a regenerative superhet with a 3.579 mc IF using a 4.5 IF can from the same remnant of a dead "home entertainment center" Their chassis was a tire-marked sign for DART (Dallas Area Rapid Transit), and they used octal sockets and plugs for every discrete device.

I was impressed. In about an hour they were making contact after contact on 40 using seemingly random calls issued prior to the W series. The stations kept asking them if they were DX. All this was accomplished loading my 30M full wave loop against ground with the twinlead feeders shorted together. They were using a piezo buzzer for a speaker and congratulating one another on its restricted range as I started picking up the unused trash, enumerating each item so as to encourage future fastidiousness. It was then the Major disappeared in a puff of smoke.

It could not be the B+ as they were using a burglar alarm Yusa that would not charge past 11.8.

"What happened?" I asked.

"It was the Vodka," answered Frank.

"Did the Major drink/" I asked?

"No, No, nothing like that," Frank explained, "When you read the label, 'Smirnoff' he thought you said : 'Sarnoff' and off he went.

"Gosh," said I, picking up another 1930ism, " I'm sorry."

"No matter," said Frank as he turned back to the sideswiper key made from a broken hacksaw blade, "The Major always comes back to us." "I scared him off once, too, with a hackneyed expression: "I said: 'You cannot see the forest for the trees,' and he thought I said 'DeForest.' "

73 de ab5L, michael in Dallas, student of Six Meters' Golden Age, 1957-58, and two of its jewels: Tecraft and International Crystal ham products.

Michael N. Hopkins

FMLA viii

Box 226841

Dallas, TX 75222 MNHopkins@Juno.com

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Date: Sat, 26 Sep 1998 15:41:31 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [21012] Super CMOS Keyer II
Message-ID: <015001bde985\$a9848b40\$052d8118@6626hvt5p091.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I hate to even ask the question, but my original "CMOS Keyer I" documentation does not address a mode for self-completing dots or Curtis-B emulation in my upgraded "Super CMOS Keyer II."

I had reset my keyer after recharging its NiCAD batteries and now it won't

make self-completing dots. Anyone know the command for mode change? Thanks in advance!

-Paul

Date: Sat, 26 Sep 1998 13:01:30 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [21013] Need Volunteer To Draw Schematics
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Is there anyone out there who would like to volunteer to redraw some = hand drawn schematics in a cad program?
I need the output to be readable in 8.5 x 11 format. If you are able to = provide this service, please contact me at ki6ds@dpol.k12.ca.us or by = phone at 209-392-3522. I will need the drawings done by next Friday. = 72, Doug, KI6DS

Date: Sun, 20 Sep 1998 18:35:50 -0700
From: k7sz@epix.net
To: qrp-1@Lehigh.EDU
Subject: [21014] LDG Tuner Help - Thank You!
Message-ID: <3605AD76.6565@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to everyone who came up with the web page and helpful hints about this great little device. I have the manual (downloaded from the website) and have the tuner hooked up and it is working like gangbusters. What a neat little accessory. One of those little things you don't know how you managed to live without.

Going out to SCI-Smithfield and SCI-Huntingdon on Monday and will be QRV from the motel room Monday and Tuesday nights. I'll be on 30 & 40 meters so if anyone needs central PA, give

a listen.

73 Rich K7SZ

End of QRP-L Digest 1226

